



## 25L6, 25L6-GT/G

### BEAM POWER AMPLIFIER

Heater		Coated Unipotential Cathode	
Voltage	25	a-c or d-c volts	
Current	0.3	amp.	
	25L6	25L6-GT/G	
Direct Interelectrode Cap.	▲	▲▲	
Grid to Plate	0.3	0.8	μf
Input	16.0	15	μf
Output	13.5	10	μf
Maximum Overall Length	3-1/4"	3-5/16"	
Maximum Seated Height	2-11/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	{ Small Wafer Octal 7-Pin	{ Intermed. Sh. Octal 7-Pin	
Basing Designation	7AC	G-7AC	
Pin 1 { 25L6, Shell 25L6-GT/G, No con.		Pin 5 - Grid	
Pin 2 - Heater		Pin 7 - Heater	
Pin 3 - Plate		Pin 8 - Cathode, Grid #3	
Pin 4 - Screen			
Mounting Position		Any	



BOTTOM VIEW

Maximum Ratings Are Design-Center Values  
AMPLIFIER

Plate Voltage	200 max.	volts
Screen Voltage	117 max.	volts
Plate Dissipation	10 max.	watts
Screen Dissipation	1.25 max.	watts
Typical Operation and Characteristics - Class A <sub>1</sub> Amplifier:		
Plate Voltage	100	200 volts
Screen Voltage	110	110 volts
Grid Voltage *	-7.5	-8 volts
Peak A-F Grid Voltage	7.5	8 volts
Zero-Sig. Plate Cur.	49	50 ma.
Max.-Sig. Plate Cur.	50	55 ma.
Zero-Sig. Screen Cur.	4	2 approx. ma.
Max. Sig. Screen Cur.	11	7 approx. ma.
Plate Resistance	13000	30000 approx. ohms
Transconductance	9000	9500 μmhos
Load Resistance	2000	3000 ohms
Total Harmonic Dist.	10	10 %
Max.-Sig. Power Output	2.1	4.3 watts

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ With shell connected to cathode. Values are approximate.

▲▲ With no external shield. Values are approximate.

\* The type of input coupling used should not introduce too much resistance in the grid circuit. Transformer- or impedance-coupled devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, cathode bias is required. With cathode bias, the grid circuit may have a resistance not to exceed 0.5 megohm.

Curves under Type 50L6-GT apply to the 25L6 and 25L6-GT/G.

← Indicates a change.

Mar. 20, 1943

RCA VICTOR DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

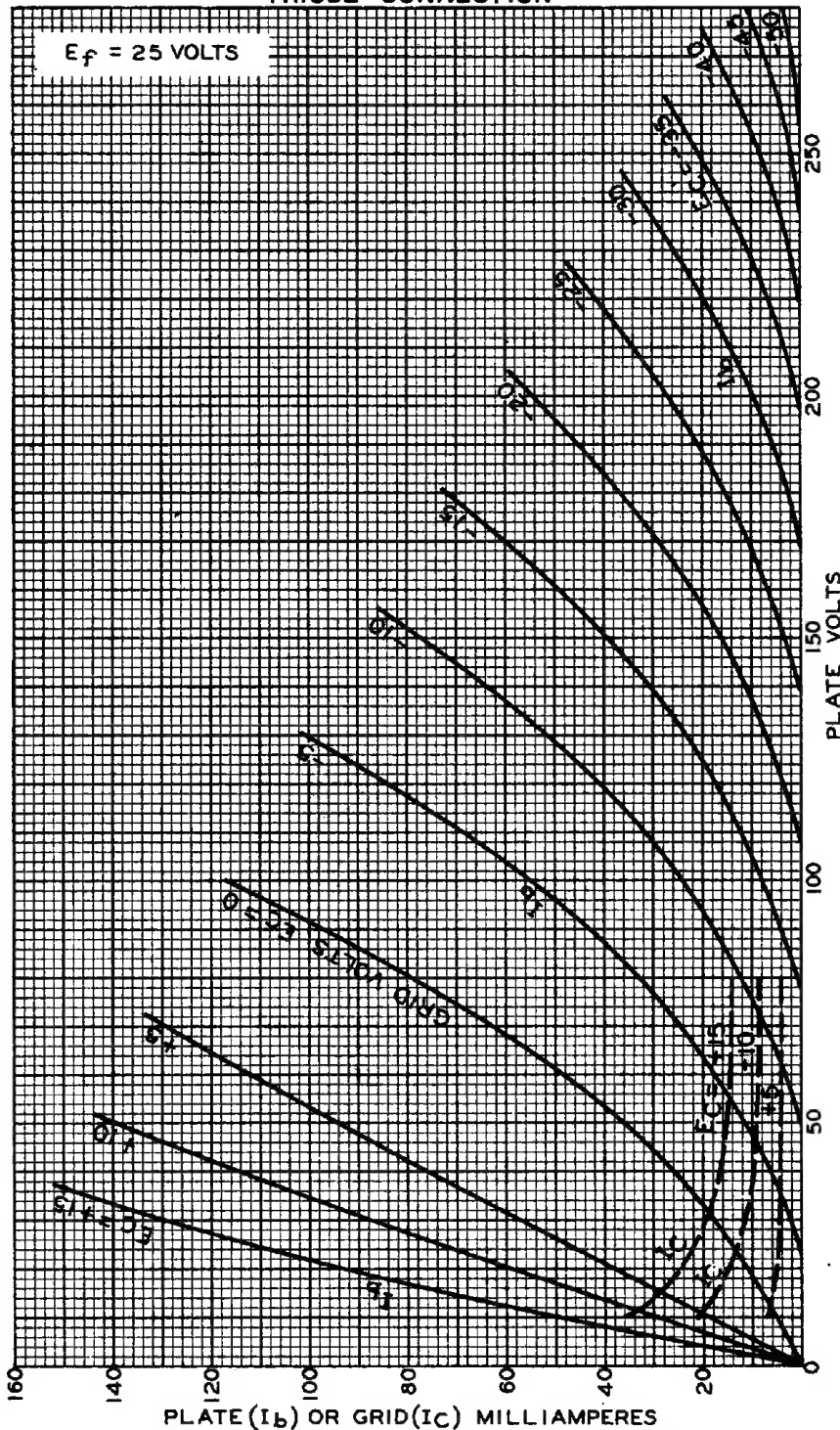
DATA

25L6



25L6

# AVERAGE PLATE CHARACTERISTICS TRIODE CONNECTION



AUG. 22, 1941

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92C-6316